

NEXLIDE

Next Lighting Device & Solution

NEXLIDE

Lighting The Future

Nexlide Pixel in a Compact Design &
Nexlide Air with a Simplified Structure



More Information

 **LG Innotek**

Platform Innovation



More Information

Platform Innovation

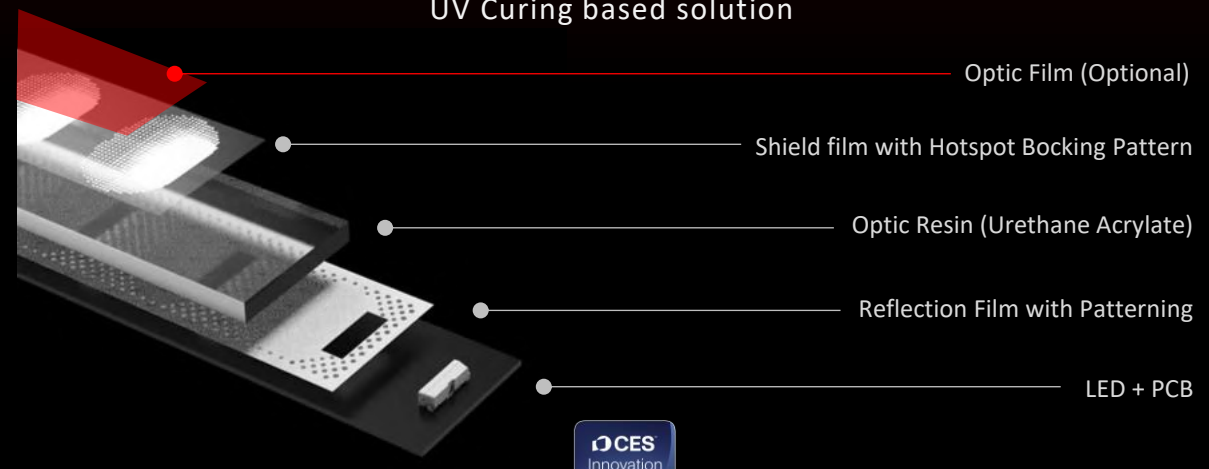
MP In Mass production

Depending on the **Curing System**, Nexlide is divided into **A/M platforms**. The complete Nexlide Series is expanded and developed according to function and optical system structure.

MP

Nexlide A Platform

UV Curing based solution

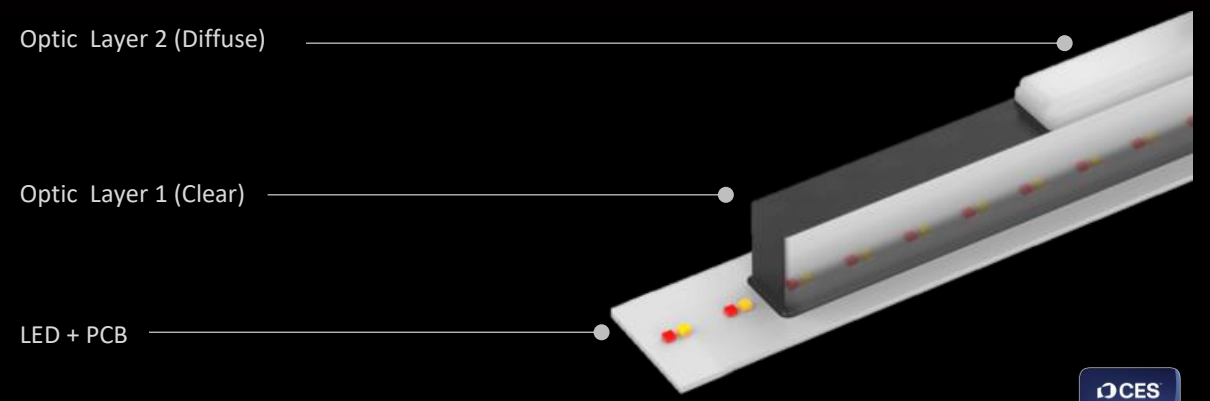


| | A | A+ | C+ | E |
|----------------------------|---|---|---|--|
| Main Differentiator | Integrated optical system (film/resin) surface light source | Top View LED-based high-luminous surface light source | Ultra-slim 3D stereoscopic light source | Concentrated surface light source using prism film |
| LED | Side View | Top View | Side / Top View | Side / Top View |
| Application | Front | DRL / Position | | |
| | Rear | Tail / Stop | Tail | Tail / Stop |
| Applied Technology | UV Curing | High reliability Resin | 3D Optic Film | Prism Film |

MP

Nexlide M Platform

Heat Curing based solution



| | M | Edge | Air | Pixel |
|----------------------------|--|---|--------------------------------|--|
| Main Differentiator | Surface light source that does not require secondary optical system (lens) | High-efficiency/cost-saving surface light source Based on COB | Slim / lightweight Solution | Various Shapes & Sizes of Pixel Lighting |
| LED | Top View | Top View | Top View | Top View |
| Application | DRL / Position | | DRL / Position | |
| | Tail / Stop | Tail / Stop | Tail / Stop | All Applications incl. Communication (RGB) |
| Applied Technology | Silicone Molding | Chip On Board | All-in-one structure (Hotmelt) | Ultra-thin Pixel Lighting |

I. Innovation Task - Nexlide Pixel



More Information

I. Innovation Task - Nexlide Pixel



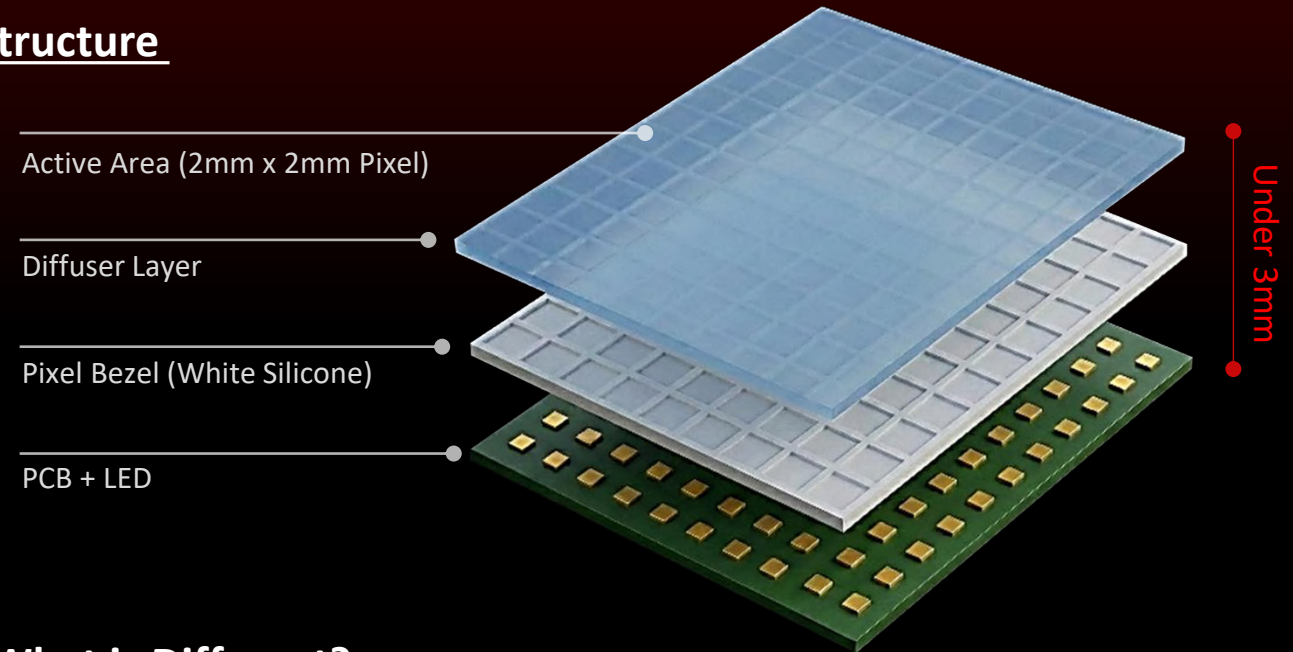

Ultra-Thin Pixel Lighting Module

cutting-edge surface-emitting lighting solution



**reduced <71% Thickness and Weight
while over 30% improvement in Light Efficiency**
*Compared to conventional product

Structure



What is Different?

Innovative Optical Architecture

- White Silicone reflective component ensures uniform luminance and efficiency
- Application: Front (DRL & Turn) / Rear / Communication

Revolutionary Design

- Achieves 3 mm thickness
- Reduced pixel size from 5x5 mm to 2x2 mm, leads to increased resolution

Design Flexibility

- Customizable pixel sizes and Bi-function application to enhance design freedom

I. Innovation Task - Nexlide Pixel



CES2026 - Nexlide Pixel Module

- 3 Modules at 1344 Pixels (48x28) , Pixel size 2x2mm , Silicone Wall 0.5mm
- Various silicone colors available for an individualized unlit appearance

- Used for V2X lighting communication, including individual pixel animation, text, and icons
- Bi-function that meets legal requirements

II. Innovation Task - Nexlide Air



More Information

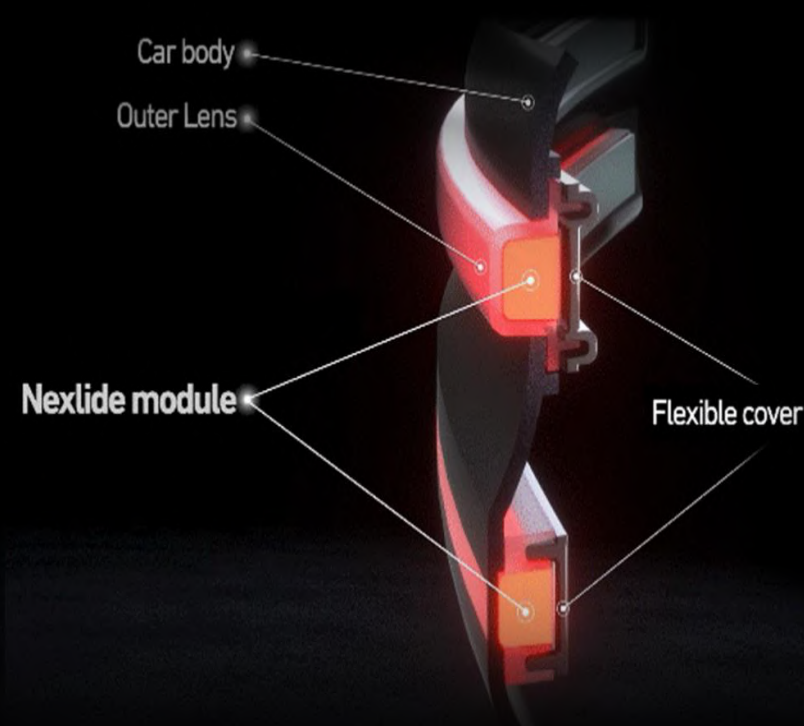
II. Innovation Task - Nexlide Air

Silicone-Based All-in-One Lighting Solution

Conventional Module



Nexlide Air



Structure

- Outer Lense & Nexlide M & Flexible cover
- Silicone double molding technology
- Thickness reduced by 50%
- Weight reduced by 40%

What is Different?

New Trend Alignment:

- Illuminated logos, grilles and bumpers

Advanced Material Use:

- Silicone-based flexible back cover
- Hotmelt
- Dustproof and Waterproof
- Replacing conventional housing

Module Installation and Bonding Structure

Two Installation Options

1. Three-Dimensional Integration
2. Flush Integration (Hidden Until Lit)

II. Innovation Task - Nexlide Air

2026 Update Nexlide Air (Multi-Sided Emission Module)



CES2026 - Nexlide Air Module

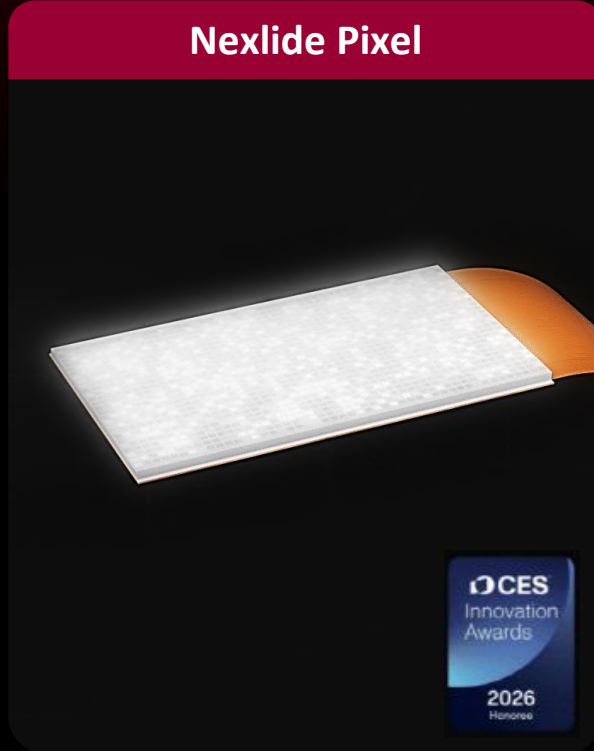


2-Sided Lit Image

White & Green

White & Amber

New Lighting Solutions of LG Innotek



Ultra-Thin Pixel Lighting Module



Silicone-Based All-in-One Lighting Solution (Multi-Sided Emission Module)



Hybrid Lighting Module Concept Combining Nexlide M with Injection Molded Parts



New 3D Multi-Effect Using a Light-redirecting Film

YOUR ASPIRATION >> OUR INNOVATION

NEXLIDE

LIGHTING THE FUTURE

Experience Compact Innovation and
Simplified Structural Design

Visit us at booth # X2

LG Innotek partners with industry pioneers
to lead the future of electronics, mobility, and robotics
through intelligent lighting innovation.



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